

# ***RELAP5-3D Software Licensing Updates***

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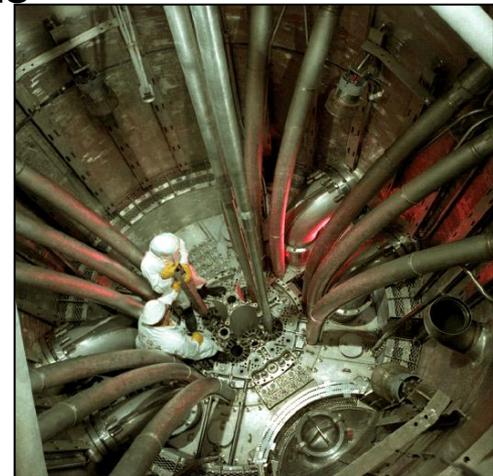
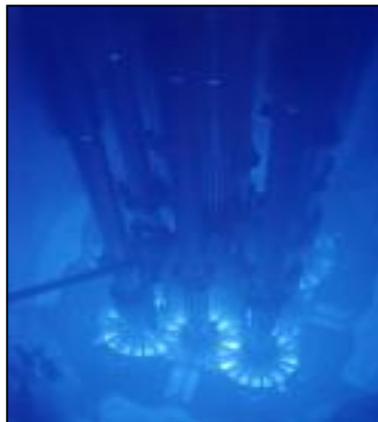
International RELAP Users Group Meeting  
Sun Valley, Idaho

[www.inl.gov](http://www.inl.gov)



## ***Benefits of IRUG Membership***

- Access to an internationally recognized tool for safety and engineering analyses of nuclear power reactors
- Provides a control point for maintenance and improvements to RELAP5-3D
- Helps users develop a working knowledge of RELAP5-3D and its application
- Cost sharing mechanism for code improvements



## ***2012 Highlights***

- RELAP5-3D 4.x (Fortran 95) released in July
- Continued improvements in average turn around time for new license requests
- 93% of all license fees reinvested in development and support
- IRUG membership increased from 31 in 2010 to 64 in 2012
- Most university agreements are multiyear licenses
- Automated notification system implemented
- Additional support staff

# FY 2012 License Activity

## Domestic

	New Members	Renewals	Existing Members	Totals
Universities	1	1	12	<b>14</b>
Commercial	0	2	8	<b>10</b>
Government Use	1	2	6	<b>9</b>
Simulator (RT)	0	1	2	<b>3</b>
Sub-Total	<b>2</b>	<b>6</b>	<b>28</b>	<b>36</b>

## International

	New Members	Renewals	Existing Members	Totals
Universities	3	1	5	<b>9</b>
Commercial	0	2	16	<b>18</b>
Simulator (RT)	0	0	1	<b>1</b>
Sub-Total	<b>3</b>	<b>3</b>	<b>22</b>	<b>28</b>

Total Licensees                    **5**                    **9**                    **50**                    **64**

### Potential Members

Drafts

4

# ***Export Control Requirements***

- DOE determination: RELAP5-3D falls under 10 CFR 810
- BEA and Licensees both have responsibilities for compliance
- Expedited review process
- Standardized “Program Participant Form”

## **Our Checklist:**

- ✓ Legal name of licensee
- ✓ Full names and citizenship of end users and contacts
- ✓ Full addresses and phone number
- ✓ End use of the code
- ✓ IRUG membership level requested

## Goals for 2013

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Goal: Improve BEA's response to license inquiries.

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- Expand distribution of RELAP5-3D 4.x in non-nuclear markets
- Increase multi-year license agreements
- Improve internal tracking and reporting
- Add new RELAP capabilities (Uncertainty Analysis)
- Convert RGUI to Fortran 95

## *Summary*

- RELAP5-3D Version 4.x released in July
- IRUG user group has experienced rapid growth since 2010
- Licensing process is improving to better support IRUG members
- Product improvements continue to be added

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